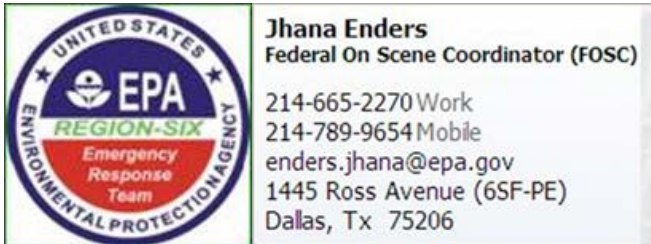


From: [Enders, Jhana](#)
To: [Turner, Philip](#)
Subject: RE: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO
Date: Friday, February 17, 2017 11:19:47 AM
Attachments: [image003.png](#)
[image004.png](#)
[image006.png](#)
[image008.png](#)

Feel free to send your comments back to them – it is a discussion...

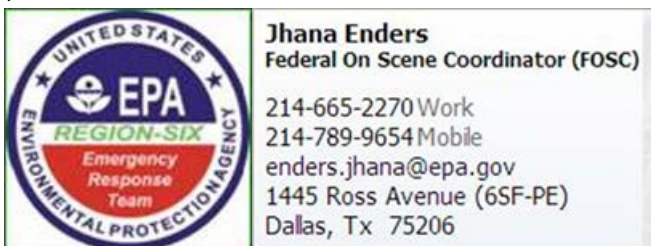


From: Turner, Philip
Sent: Friday, February 17, 2017 11:12 AM
To: Enders, Jhana
Subject: Re: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO
Thanks!

This seems to be about monitoring/sampling... not analytical. Her response to your 0.0002 ppm comment was basically to tell us to make sure we are measuring in the right places. Well, we are. It is true that the 0.0002 ppm is a "screening" number, so an actual clean-up number might be a bit higher. BUT, we're talking about a residential scenario where some have died. I can't imagine trying to be less conservative.

From: Enders, Jhana
Sent: Friday, February 17, 2017 10:37 AM
To: Turner, Philip
Subject: FW: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

Trying to keep you in the loop here so you can summarize all their comments for me and provide your recommendations...



From: Lynch, Kira
Sent: Friday, February 17, 2017 9:47 AM
To: Enders, Jhana <Enders.Jhana@epa.gov>; McKernan, John <McKernan.John@epa.gov>; Burton,

Terry <Burton.Terry@epa.gov>

Subject: RE: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

You have to consider where you are measuring and whether that is representative to compare directly against the residential screening level most the time this answer is no. Further the reality is that phosphine is not stable in ambient air and the likelihood that you will have an issue is very very low unless you have a significant source like the ponds we have at FMC. We have been using air modeling to determine what is a realistic action level at the measurement point that would be protective of potential receptors downwind.

Kira Lynch

Superfund Technology Liaison (STL) - Region 10

ORD - Office of Science and Policy

1200 Sixth Avenue, Suite 900

Office of Environmental Cleanup (ECL)

Seattle WA 98101

phone: 206-553-2144

cell: 206-850-4323

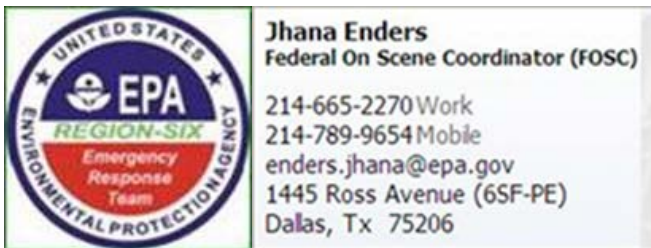
From: Enders, Jhana

Sent: Friday, February 17, 2017 7:05 AM

To: Lynch, Kira <lynch.kira@epa.gov>; McKernan, John <McKernan.John@epa.gov>; Burton, Terry <Burton.Terry@epa.gov>

Subject: RE: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

Again, the issue is we are trying to meet the Residential screening level of 0.0002 ppm



From: Lynch, Kira

Sent: Thursday, February 16, 2017 5:15 PM

To: McKernan, John <McKernan.John@epa.gov>; Burton, Terry <Burton.Terry@epa.gov>; Enders, Jhana <Enders.Jhana@epa.gov>

Subject: FW: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

The attached has a table with all of the different action levels for phosphine that may be of interest to you.

Kira Lynch

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phone: 206-553-2144

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From: Valdez, Heather

Sent: Thursday, October 20, 2016 12:06 PM

To: Bartus, Dave <Bartus.Dave@epa.gov>; Lynch, Kira <lynch.kira@epa.gov>; Wroble, Julie <Wroble.Julie@epa.gov>; Hedgpeth, Zach <Hedgpeth.Zach@epa.gov>; Palumbo, Janice <Palumbo.Jan@epa.gov>; David A. Weeks <daweeks@rmeltd.com>; brian.english@deq.idaho.gov; Horn, Bevin <Horn.Bevin@epa.gov>; Weigel, Greg <Weigel.Greg@epa.gov>; Williams, Jonathan <Williams.Jonathan@epa.gov>; Mcloughlin, Sharon [USA] <mcloughlin_sharon@bah.com>; McAlpine, Jay <McAlpine.Jay@epa.gov>; McArthur, Lisa <McArthur.Lisa@epa.gov>; McAlpine, Jay <McAlpine.Jay@epa.gov>

Cc: Zavala, Bernie <Zavala.Bernie@epa.gov>; Boyd, Andrew <Boyd.Andrew@epa.gov>; Stifelman, Marc <Stifelman.Marc@epa.gov>; Sheldrake, Beth <sheldrake.beth@epa.gov>

Subject: Follow up material - please review if you will attend meeting tomorrow - Internal discussion about DQO

Hi, Thank you for your participation last week.

I have an updated DQO table that I would like to request your feedback on, to try and capture where I thought I heard agreement.

As follow up, I will also update you that I have two additional meetings scheduled.

Tomorrow, I will talk with Zach, J.D., David W, Dave B, Jan, Brian to start to dig into the details of next steps to define the control and monitoring requirements. Please review the attachment before we talk if possible.

Also on the 31st I have a meeting scheduled to discuss with the CERCLA program the risk levels RSL and PELs and how and where which levels are appropriate. People invited to that include Julie Wroble, Marc Stifelman, Andrew Boyd, Lisa McArthur, Beth Sheldrake, Jonathan Williams, Kira Lynch, and Janice Palumbo.

Thanks

Heather Valdez

Chemical Engineer, Project Manager

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